

10/525725

Fig. 1

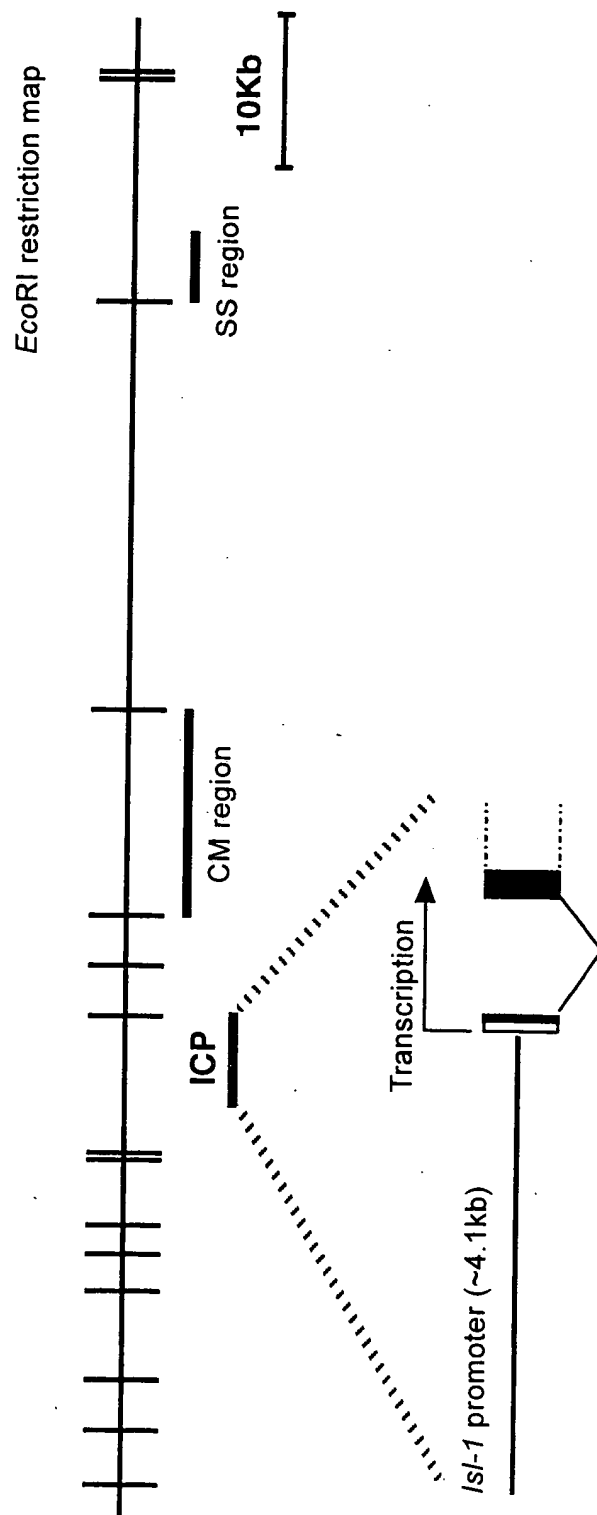


Fig. 2

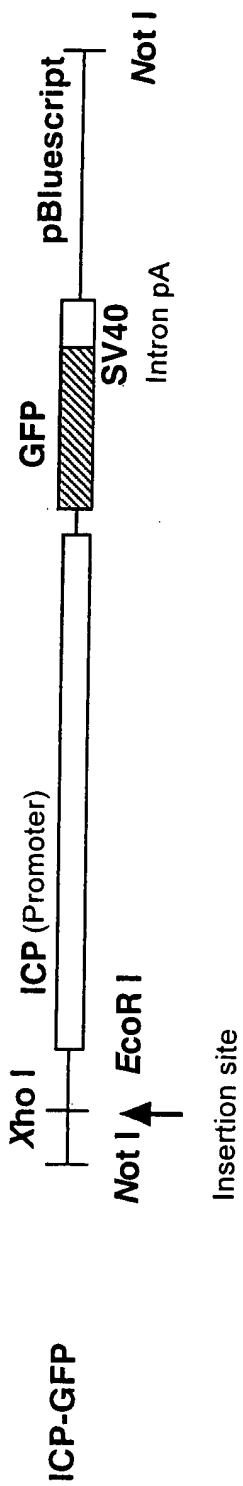


Fig. 3

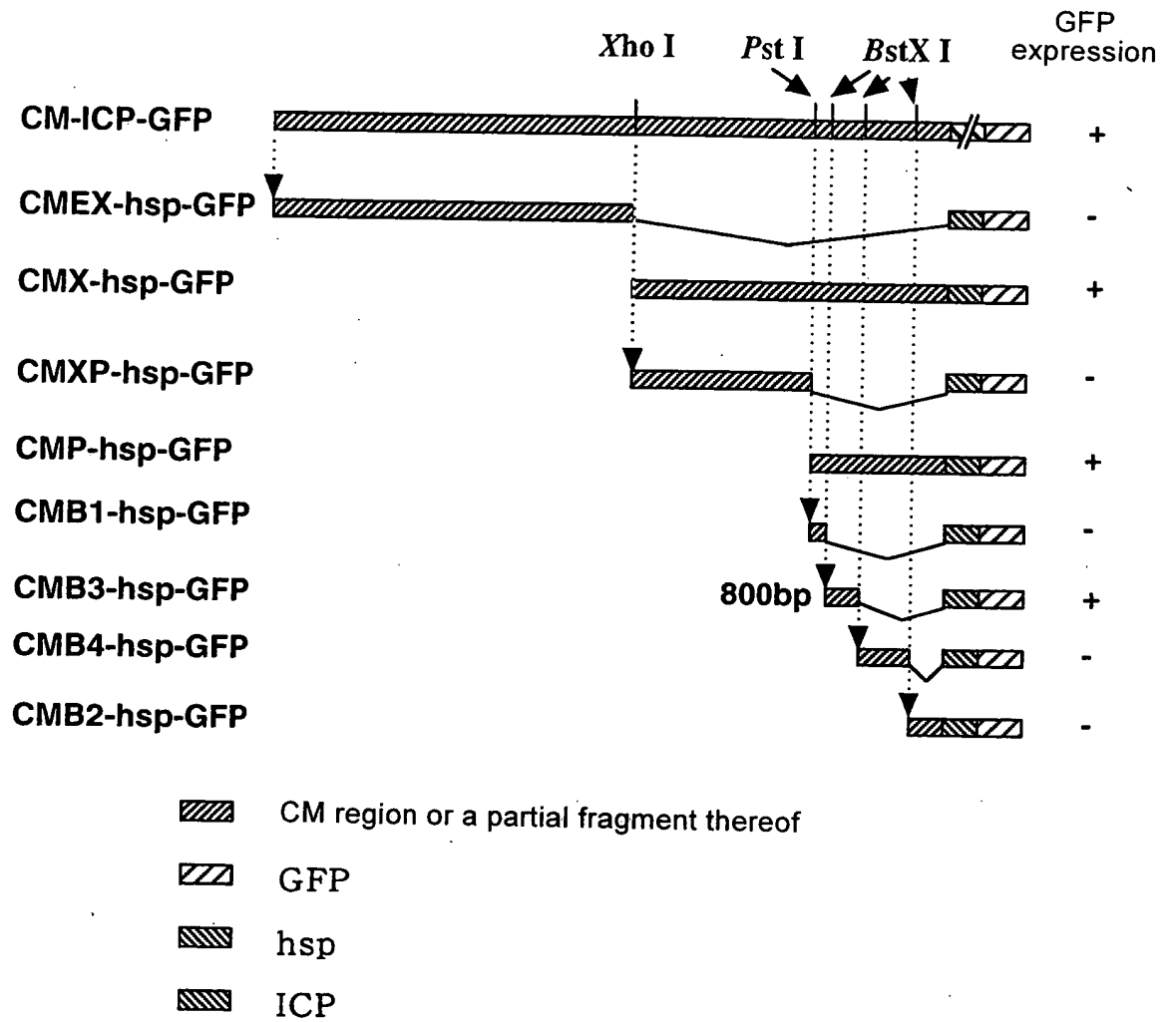


Fig. 4

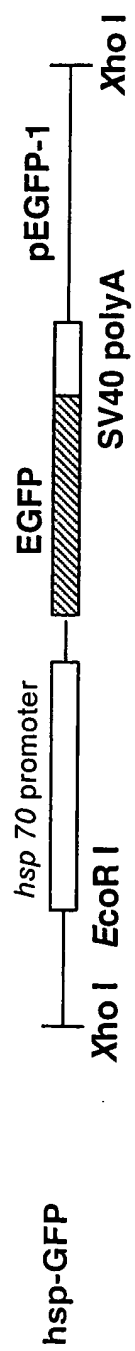


Fig. 5

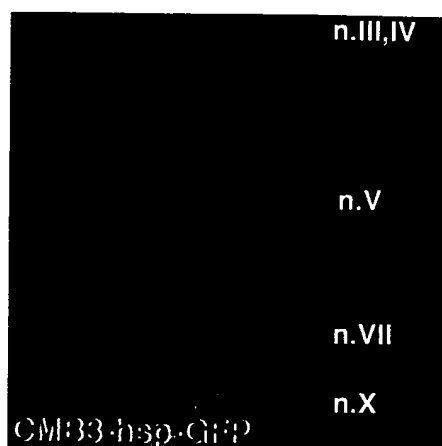


Fig. 6

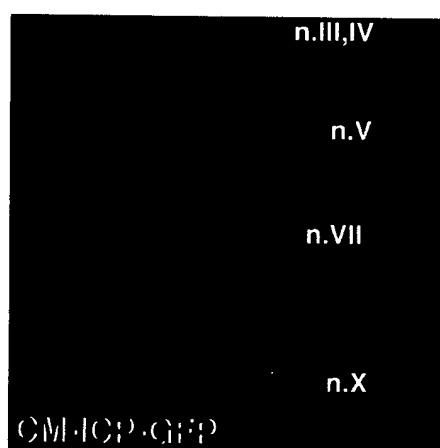


Fig. 7.

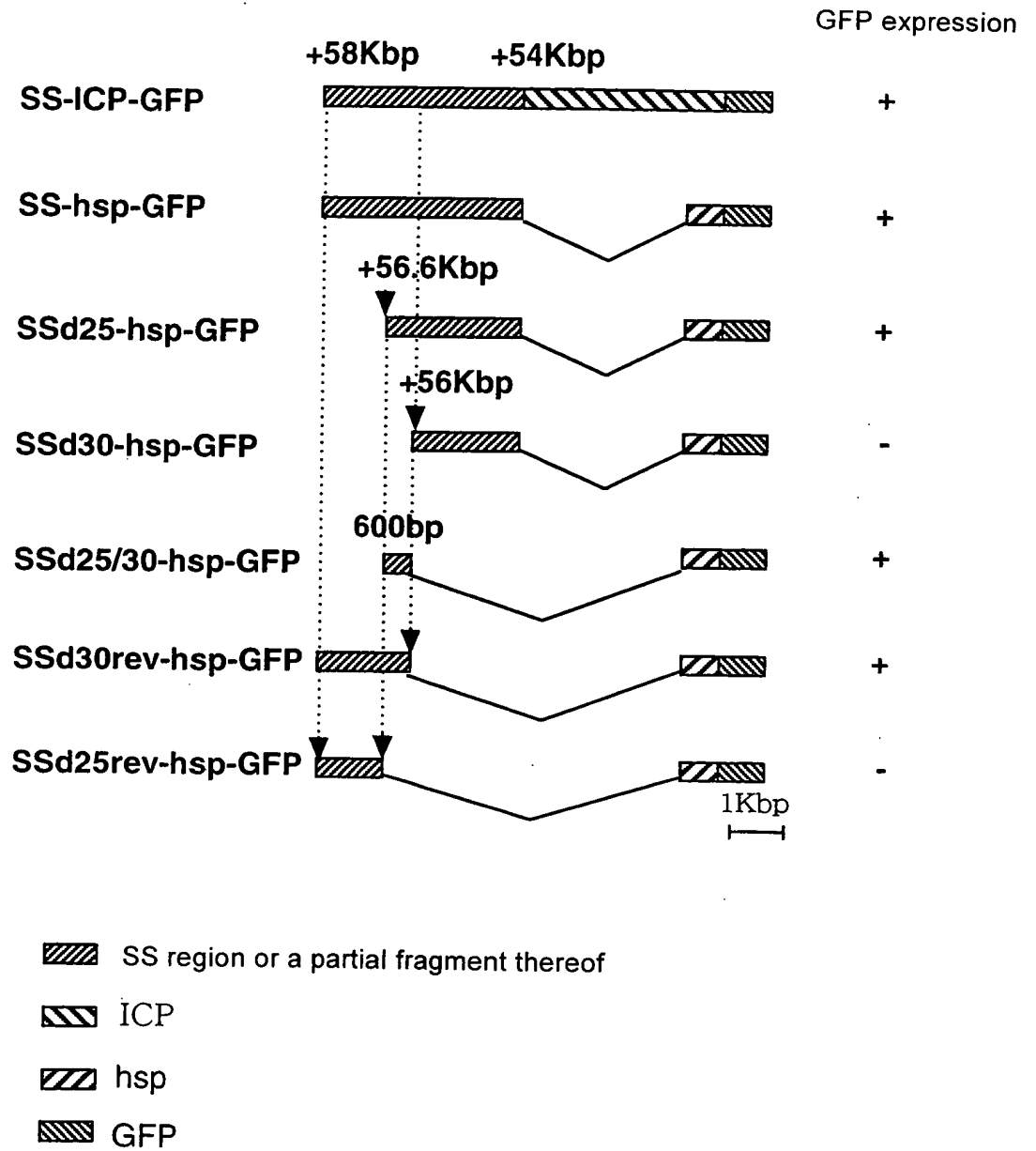


Fig. 8

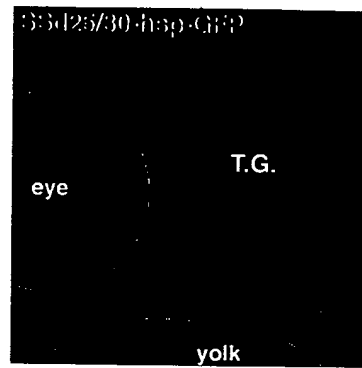


Fig. 9

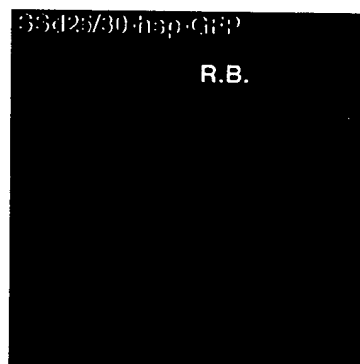


Fig. 10

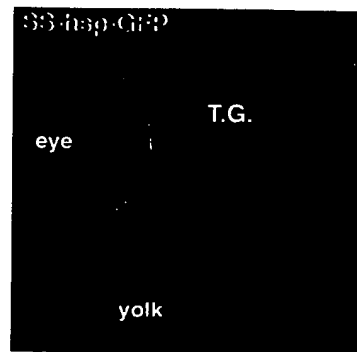


Fig. 11

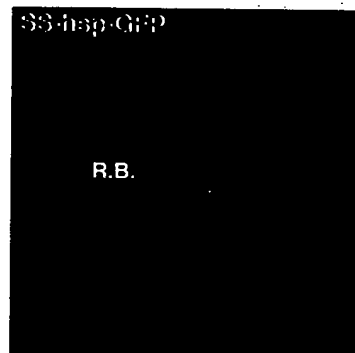




Fig. 12

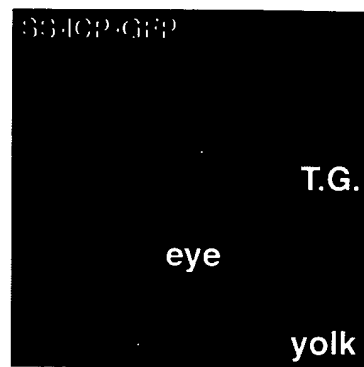


Fig. 13

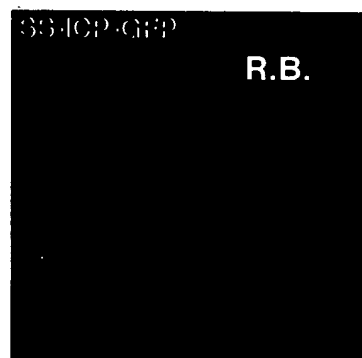


Fig. 14

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zCM      1  GTATCAGATATTTCTAAAGAGTAA-ACACAGAAATGTGTAAAGCAGGGGGT
fuguCM   1  -----T-----ATCCCTGGAAC-ATGTCAATATATTTCCAAATATGTGAC
mCM      1  -----CATG-ACAGTC-ACAGTTCTCTCTCTTTTCAAATTAATCA
huCM     1  -----CA-ACAGATCACCTACCTCTTAATTAATCA

zCM      60  CGTACTTTTTATCTCTTTTGCATTTGATGCTAGGCC-ACTCCTT-AGGAGATG
fuguCM   42  ATGGAAATATGAGCTTACAAATGGGTCAATTTGCAATTTACATCATGATTAGCTG
mCM      39  GTTATA-ACAGTATTCCTTCTATGTTTCATGCCAATAGG-TTAAGTGTTCCTTA-
huCM     33  GTTCTACACAGTATGTTTATATGTTTCATGCCAATTTGG-CTGAGTGTTCCTTA-

zCM      118  AATCGAAACCTCTT-ATAAATCATGAAAGGATATGG-ACACA-ACAGTGGGCA
fuguCM   102  TATAGGCARACCTC-AGGCTGGTCTGGG-ACAGACACAAATGACGTACATTAAC
mCM      96  --ACATCT-TAATTTAGGAAATTAAT-ACITCCATCAGAAATTGTACAAAGAA
huCM     91  --ACATCT-TAATTTATTAGAAATTAATTTCCATCAGAAATTGTACAAAGAA

zCM      175  ATCTATCAATACCC-TGGCAACCGACATGCGATACACATTA--AGG-ACAA
fuguCM   160  ATGAGGTGGG-CATTTATCAGGCCCTCTG-CAACATGCGGAAATAGGCA-
mCM      152  ATGGACAC-ACAGG-TGGTAATTTA-TC-ATACGAGGGGTGGG--GAG--C
huCM     146  ATGGACAC-ACAGG-TGGTAATTTA-TC-ATGTGCGGGGGG-AG--TAGGGAGC

zCM      231  AT-CATTTTA-ATTAGCTGAGTGAATGTGATTTGCTGATGCGGGAGTAG--GCTCTG
fuguCM   217  ATC-ATTTTAT-TAGCTAGTGAATGTGATTTGCTGATGCGAGTGGGCGGCGCTC
mCM      201  AGGCATTTTATTAGCTGAGTGAATGCAGTTTCTGACACAAAGAGGCA--GCCCA
huCM     199  AGGCATTTTATTAGCTGAGTGAATGCAGTTTCTGACACAAAGAGGCA--GCTTA

zCM      287  CACCAT-----TAAATGTCTAATTTTCTGCAAAA-ATCCATCTGATGACCT
fuguCM   275  TATCTGCACAT-TAAATGTCTAATTTTCTTGCAGAAATCCCAATGACGACCT
mCM      259  GTGATAT-----TAAATGTCTAATTTTCTGCAAAA-ATCCATCTGAAAGGCT
huCM     257  GTCATAT-----TAAATGTCTAATTTTCTGCAAAA-ATCCATCTGACAGGCT

zCM      341  ACCCAGTCAATCAAT-TAAAGGTATGGGTGCTTAATTTGATTTACCAATATAAATG
fuguCM   335  ACCCAGTCAATCAAT-TAAAGGTATGGGTGCTTAATTTGATTTACCAATATAAATG
mCM      313  ACCCAGTCAATCAAT-TAAAGGTATGGGTGCTTAATTTGATTTACCAATATAAATG
huCM     311  ACCCAGTCAATCAAT-TAAAGGTATGGGTGCTTAATTTGATTTACCAATATAAATG

zCM      401  CAATAGGTCTTAAAGTGGAGGGGAGG-AGAGTAGGAGGCTCTTTTAAACCATCA
fuguCM   395  CAATAGGTCTTAAAGTGGAGTGGAGG-AGAGTAGGAGGCTCTTTTAAACCATCA
mCM      373  CAATAGGTCTTAAAGTGGAGTGGAG-AG-AGAGTAGGAGGCTCTTTTAAACCATCA
huCM     371  CAATAGGTCTTAAAGTGGAGTGGAG-AG-AGAGTAGGAGGCTCTTTTAAACCATCA

zCM      460  GTTAATGTGACAGACATGGACTGGGAGCAGCA-AGATGTTTAGCATATTCGTTG
fuguCM   454  GTTAATGTGACAGACAGAGAGCTGGGAGCAGCA-AGATGTTTAGCATATTCGTTG
mCM      430  GTTAATGTGACAGACAGAGAGCTGGGAGCAGCA-AGATGTTTAGCATATTCGTTG
huCM     428  GTTAATGTGACAGACAGAGAGCTGGGAGCAGCA-AGATGTTTAGCATATTCGTTG

zCM      519  ATTAGGTACAAATTTAAT-TAGGTGGCTAATTTGTTGACAAATTTGACCACTA
fuguCM   513  ATTAGGTACAAATTTAAT-TAGGTGGCTAATTTGTTGACAAATTTGACCACTA
mCM      489  ATTAGGTACAAATTTAAT-TAGGTGGCTAATTTGTTGACAAATTTGCTCTACACTA
huCM     487  ATTAGGTACAAATTTAAT-TAGGTGGCTAATTTGTTGACAAATTTGCTCTACACTA

zCM      578  CTGAAGA-CAATTTTTTTTAAACCGTG-AAAACCCCT-TCGTGGGAAT
fuguCM   572  AGAATCTCTGACACCCATTAATTTTACCCTACATGCTGATTTTCAAC
mCM      548  GAAAAAGG-CAGAGAGTTTITTTTTTTTACCTTTT-CATGTAATATCTG
huCM     546  GAAAAAGG-CAGAGAGTTTITTTTTTTTACCTTTT-ATGGAAATCTG

zCM      633  TTGTCCAAATGACCT-ATGCCATATGTAAG-CATAATTAATAATGGAGA-
fuguCM   632  CATACCT-ATCTTTTTT
mCM      604  TGTGATTTTACG-CAATGATTC-TGCCATTTG
huCM     595  TGTGATTTTACG-CAATGATTC-TGCCATTTGCAAGCCCT-TATTAA-ATGAA

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~~~~~ Region 1

----- Region 2

~~~~~ Region 3

10/525795

Fig. 15A

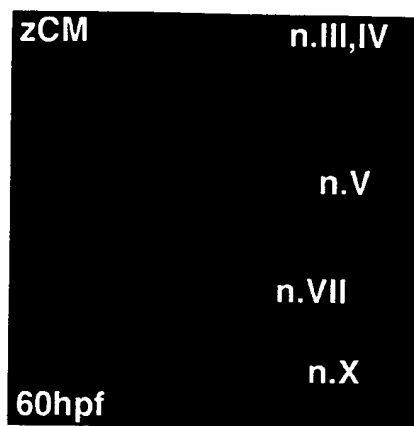


Fig. 15B

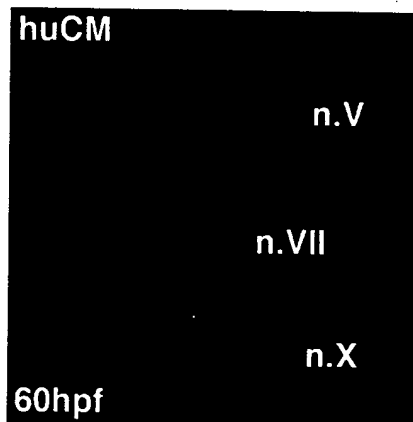
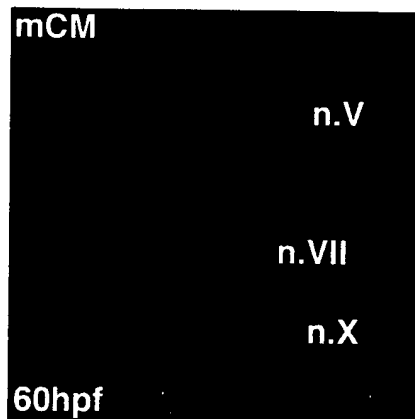


Fig. 15C



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Fig. 16A

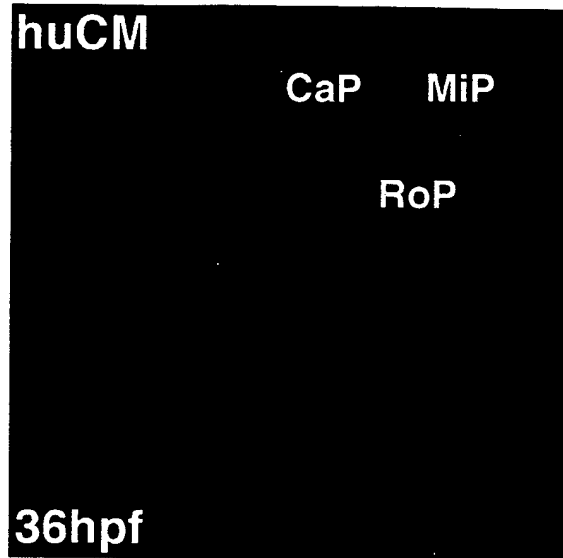


Fig. 16B

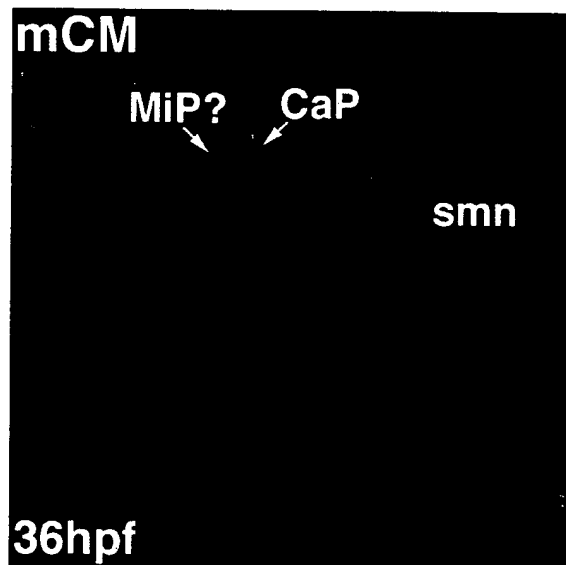


Fig. 17

|      |     |  |     |
|------|-----|--|-----|
| zSS  | 399 | GCRAAGCACCCTTTTC--TAGTGACTCAGAGGATTAACCTCCATTAACTATTTCAGAGGC | 456 |
| huSS | 465 | GTAAAGCCATTTAATCCCTGACTTATCAT-TAACCTCCATTAACTATTAGTGAAGA     | 523 |
| zSS  | 457 | TGTTAAATGCACCTCAGTCAATAATGCTAATTCGAAGGCATTGTATAGCTGTTAGA     | 516 |
| huSS | 524 | AGTTAAATGTACCTTAGTCAATAATGCTAATTCAGGAC-AGTTGTATTCCTATGGAGA   | 582 |
| zSS  | 517 | AATGTATTTCATATTATGCTAAGTGGCATCTTTATTACAGG-ATTACAAATTGCA      | 575 |
| huSS | 583 | AATGCTATTTCATATTATGTTAAGTGGCATCTTTACGATTAACTTATGTGTTAGG      | 642 |

Fig. 18A

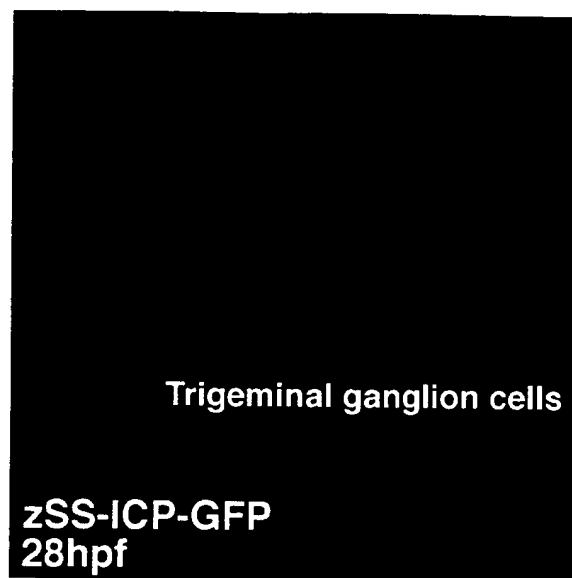


Fig. 18B

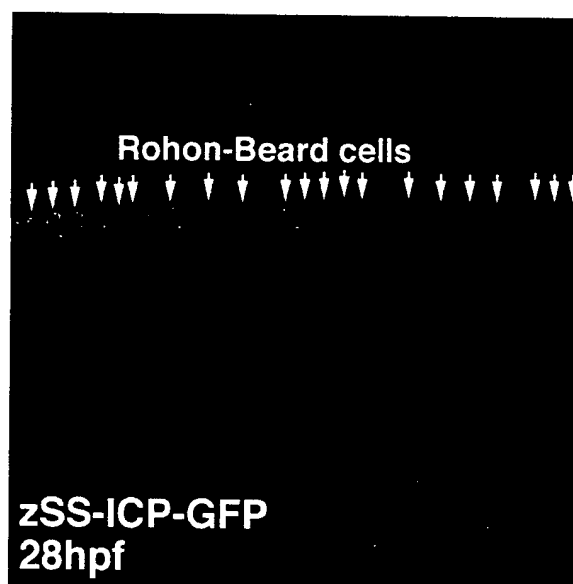


Fig. 19

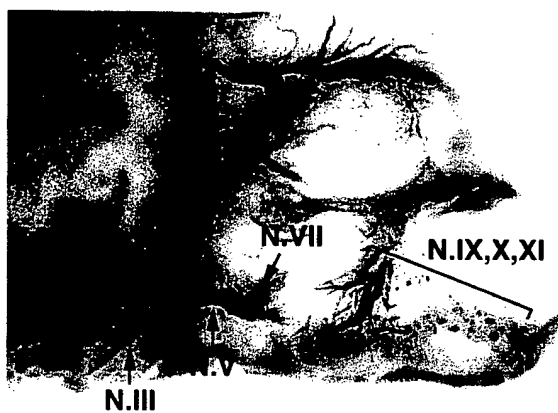


Fig. 20

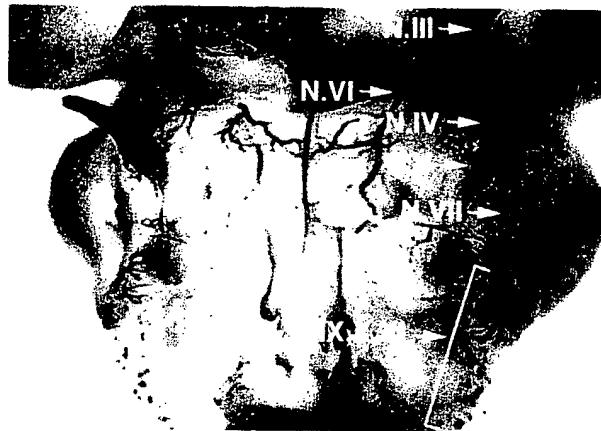




Fig. 21

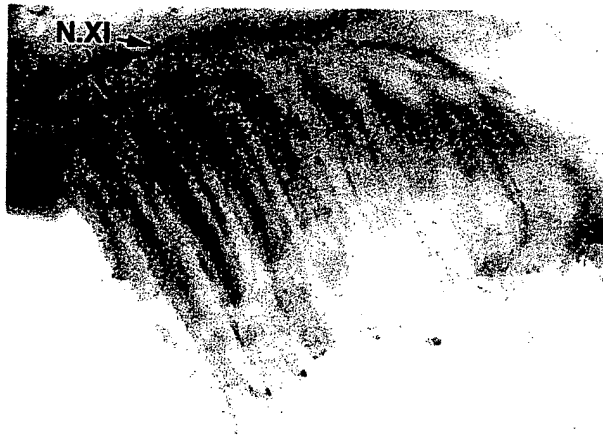


Fig. 22

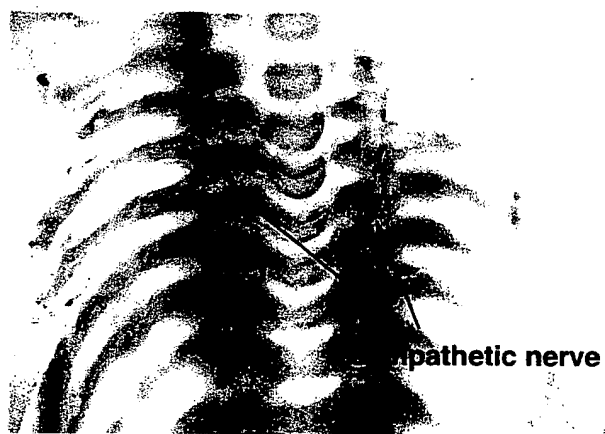


Fig. 23



Fig. 24

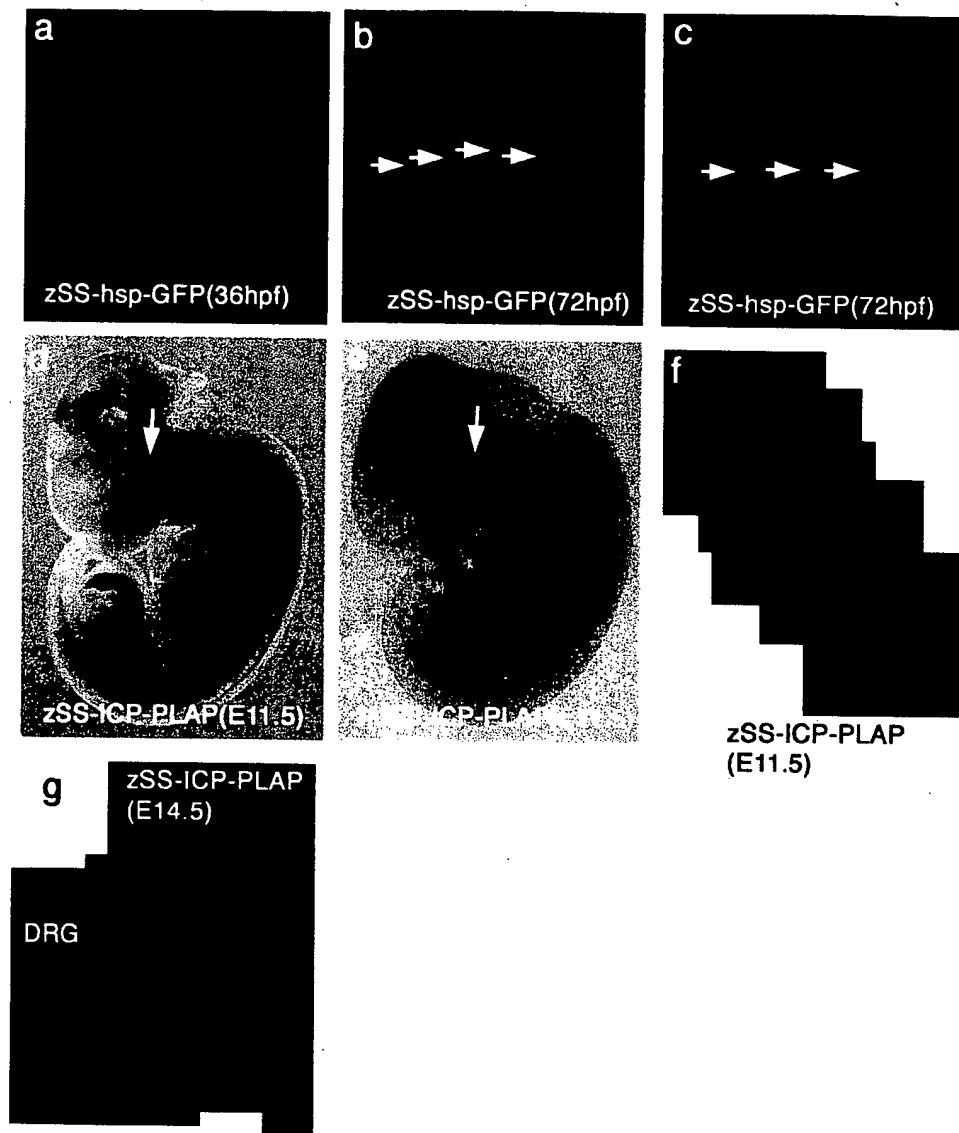
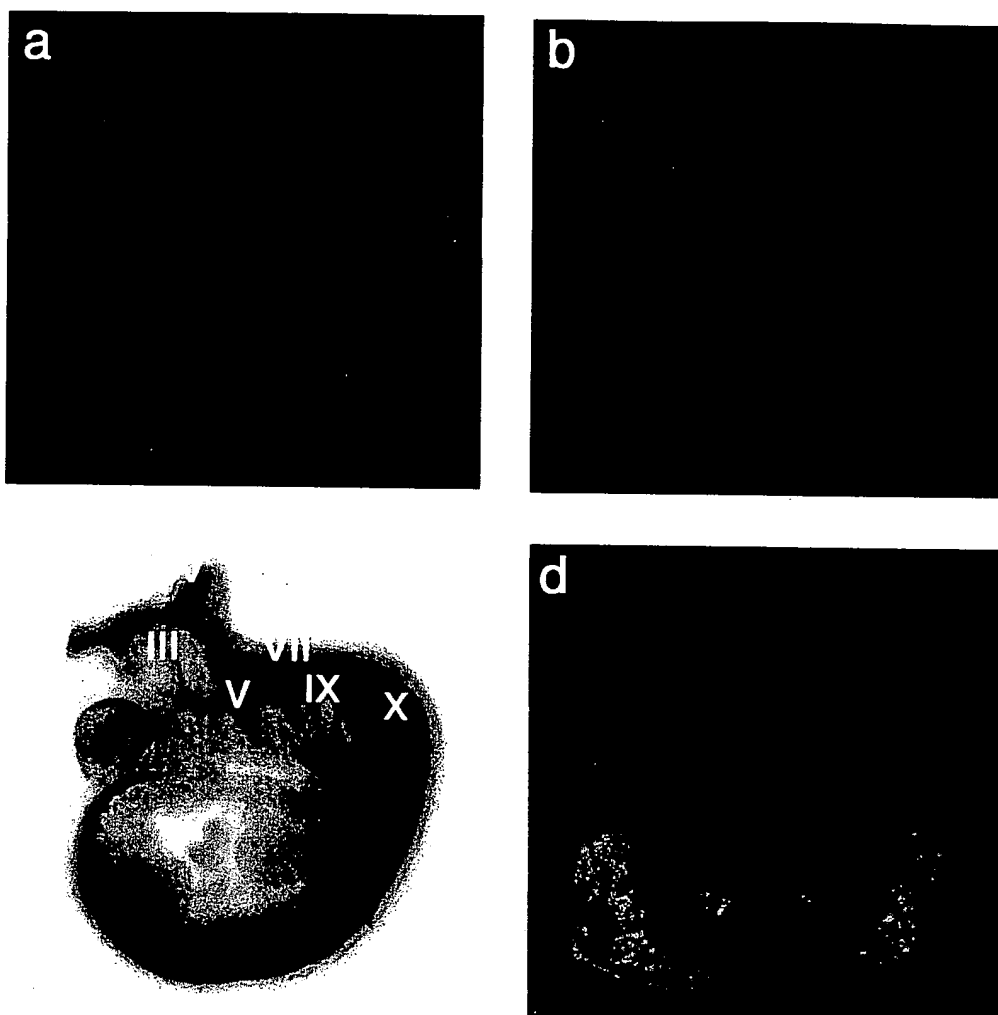


Fig. 25



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